

"THE SIX POINT LINE"



AUG - 1 1938

CORNING GLASS WORKS

Illuminating and Optical Division

CORNING, NEW YORK

"THE ASTRON"

(SEMI-INDIRECT)



"THE ASTRON" is a new GALAX Brand enclosing globe for semi-indirect illumination. The recent appearance of "American Recommended Practice of School Lighting" prepared under the joint sponsorship of the Illuminating Engineering Society and the American Institute of Architects has accelerated the trend toward completely enclosed globes for semi-indirect lighting. "THE ASTRON" globes are made of single-layer glass. A dense white reflecting opal in the lower portion of the globe, directs most of the light upward through the highly transmitting slightly diffusing top section.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position	Suggested Wattage	Standard Package	Approx. Weight Lbs. Per Pkg.
81381	14	8 $\frac{7}{8}$	6	2	200	ctn 2 pc	15
81382	16	10 $\frac{1}{8}$	6	2	300	ctn 1 pc	11
81383	18	11 $\frac{3}{8}$	6	1 $\frac{1}{2}$	500	ctn 1 pc	14

*Lamp Position—Represents the distance in inches of lamp contact above the plane of fitter screws when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 144497

ORDER NO. 68430-S

PLATE NO. 30483

CANDLEPOWER DISTRIBUTION
ASTRON NO. 81382 GALAX BRAND GLOBE SEMI-INDIRECT GLASS*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendered to Corning Glass Works, Illuminating & Optical Division

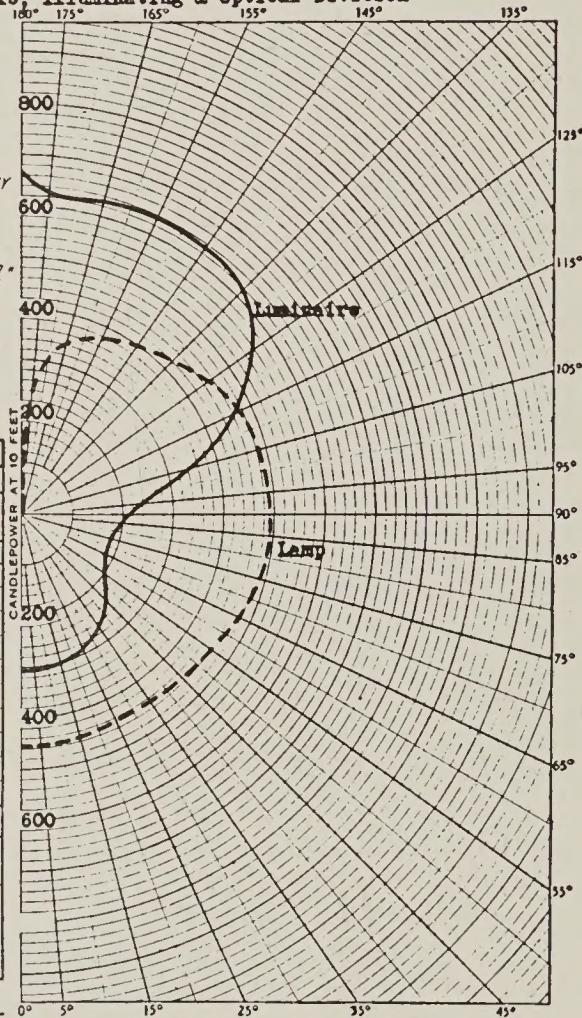
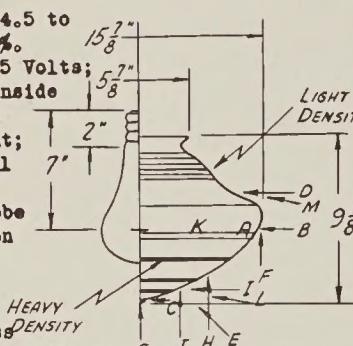
Globes - 72 Submitted; 25 Inspected and Weighed;
6 Tested.

Light Output Range 74.5 to
77%. Average 76.5%.

Lamp - 300 Watts; 115 Volts;
5700 Lumens; PS35 Inside
Frosted Gas-Filled
Bulb; C-7A Filament;
Mogul Base; General
Service.

Surface covering globe
opening, reflection
factor 0.40.

White Diffusing Glass
Weight of Test Sample - 86 oz.



LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° IN	665		90° HOR	215	
175°	620	60	85°	198	216
165°	630	178	75°	180	190
155°	635	294	65°	180	179
145°	635	399	55°	201	180
135°	615	476	45°	235	182
125°	545	489	35°	264	166
115°	465	462	25°	287	133
105°	342	367	15°	301	85
95°	246	263	5°	308	29
		O° NADIR		308	

LIGHT FLUX VALUES			
ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP
	LAMP	LUMINAIRE	
0°-60°	1410	775	13.5
0°-90°	2931	1360	24
90°-180°	2769	2988	52.5
0°-180°	5700	4348	76.5

LUMINAIRE BRIGHTNESS

CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	1.01	1.04	1.06	6.00	2.03	0.09	1.04	1.07	2.01	2.02	1.03	2.01	4.06

TESTED BY W.S.C. PLOTTED BY J.M. COMPUTED BY J.M. CHECKED BY J.M. ISSUED April 27, 1938.

APPROVED BY

William F. Roth

ENGINEER IN CHARGE OF PHOTOMETRY

C. F. Horn

IN CHARGE OF TEST

"THE HALLSTADT"
(SEMI-INDIRECT)



The Semi-indirect "HALLSTADT," GALAX Brand Globe, was designed to utilize most effectively the upward component of light reflected from the dense white reflecting lower portion of the globe. The light is freely transmitted through the light opacity slightly diffusing upper section of the globe, its freedom unhampered by restricting angles.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Above Inches	Suggested Wattage	Standard Package	Approx Wt. Lbs. Per Pkg.
81614	14	10	6	1	200	ctn 2 pc	14
81618	16	12	6	1	300	ctn 2 pc	18
81620	18	13 $\frac{1}{2}$	6	1 $\frac{1}{2}$	500	ctn 1 pc	14
81621	20	14 $\frac{1}{2}$	8	2 $\frac{1}{2}$	750	ctn 1 pc	23

*Lamp position—Represents the distance in inches of the lamp contact above the plane of the fitter screws when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 144457

ORDER NO. 68430-S

PLATE NO. 30476

CANDLEPOWER DISTRIBUTION
HALLSTADT NO. 81618 GALAX BRAND GLOBE SEMI-INDIRECT GLASS*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendered to Corning Glass Works, Illuminating & Optical Division

Globes - 80 Submitted; 25 Inspected and
Weighed; 6 Tested.

Light Output Range
80 to 82.5%.

Average 81%.

Lamp - 300

Watts; 115

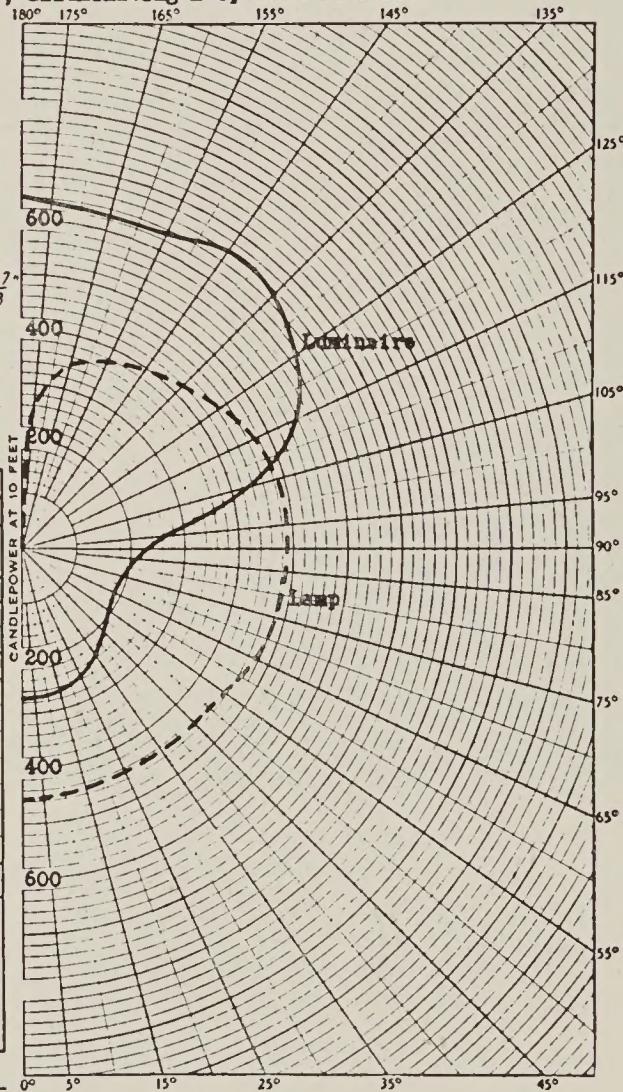
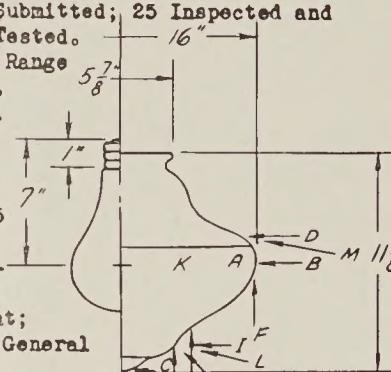
Volts; 5700

Lumens; PS35

Inside

Frosted Gas-
Filled Bulb;
C-7A Filament;
Mogul Base; General
Service.

Surface covering globe
opening, reflection factor 0.40.



LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° IN	645		90° NOR.	237	
175°	635	60	85°	215	235
165°	630	178	75°	193	204
155°	630	292	65°	188	187
145°	665	415	55°	193	173
135°	655	504	45°	213	165
125°	610	547	35°	236	148
115°	545	541	25°	254	118
105°	438	451	15°	266	75
95°	269	300	5°	271	26
			0° NADIR	272	

ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
	LAMP	LUMINAIRE		
0°-60°	1410	705	12.5	
0°-90°	2931	1331	23.5	
90°-180°	2769	3288	57.5	
0°-180°	5700	4619	81	

LUMINAIRE BRIGHTNESS

White Diffusing Glass

Weight of Test Sample - 95 oz THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

CANDLEPOWER PER SQUARE INCH

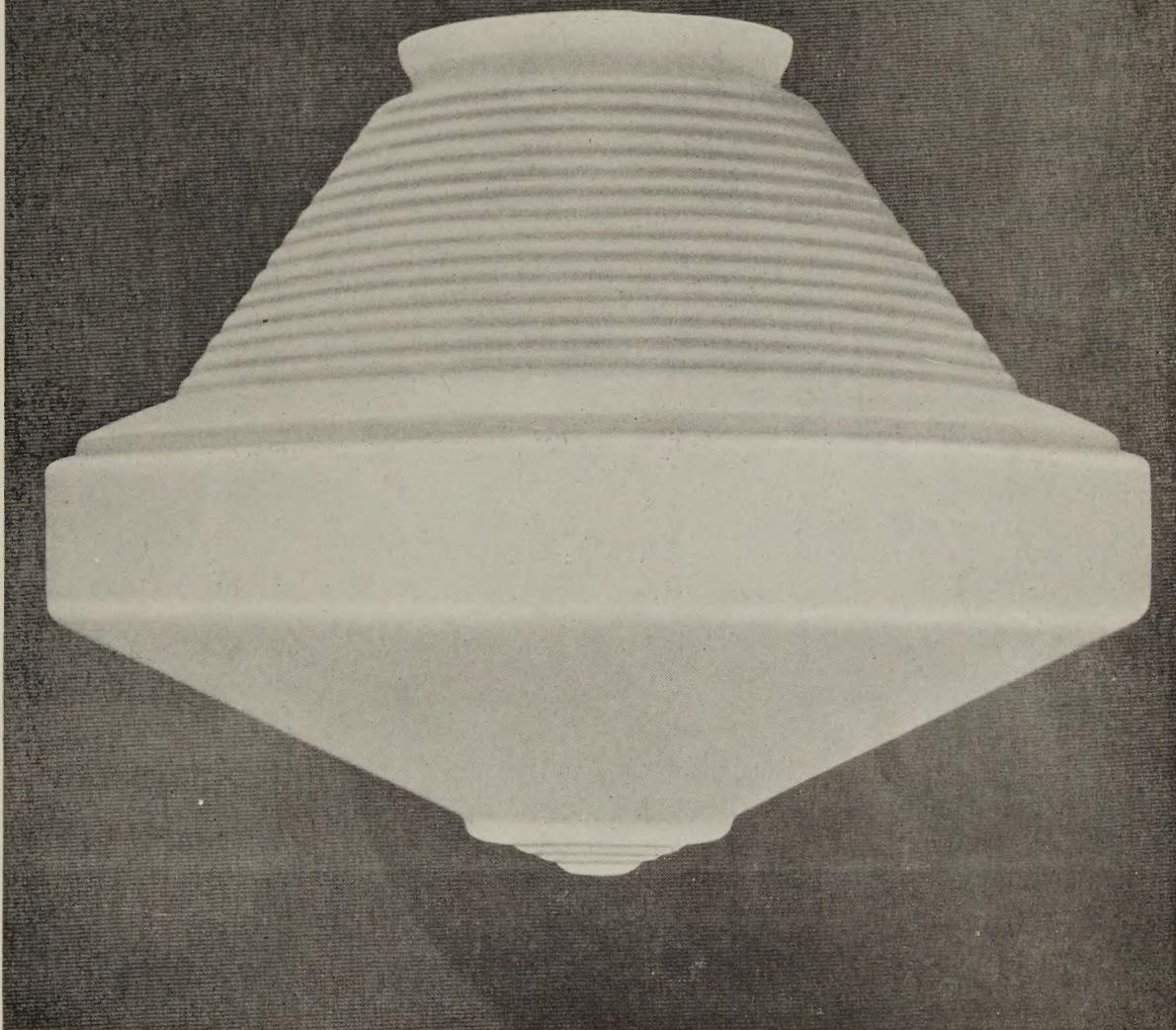
LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	1.1	1.4	1.0	6.4	2.1	1.0	1.1	1.5	2.1	1.7	1.3	2.1	4.3

TESTED BY W.S.C. PLOTTED BY E.T.L. IDENTIFICATION NO. 8322
COMPILED BY E.T.L. CHECKED BY C.G.H. ISSUED April 22, 1938.

APPROVED BY William F. Harte
ENGINEER IN CHARGE OF PHOTOMETRY

C. G. Hoan
IN CHARGE OF TEST

"THE ORION"



The "ORION" MONAX enclosing globe for general diffuse lighting is a new shape in the Corning line of illuminating glass. The globe has been designed to meet modern lighting practice. It possesses those two extremely desirable characteristics—high efficiency and low surface brightness. There is ample provision on the rim of the "ORION" for use of a louvre when desired.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg
81391	9 ³ / ₈	6 ¹ / ₂	4	1 ¹ / ₄	75	ctn 8 pc	21
81392	12 ³ / ₈	8 ⁵ / ₈	6	1	100	ctn 2 pc	12
81393	14 ³ / ₈	9 ⁷ / ₈	6	1 ¹ / ₄	150	ctn 2 pc	14
81394	16 ³ / ₈	11 ⁷ / ₈	6	1	200	ctn 1 pc	11
81395	18 ³ / ₈	13 ¹ / ₈	6	1 ¹ / ₂	300	ctn 1 pc	15

*Lamp position—Represents the distance in inches of lamp contact above the plane of fitter screws when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 144496

ORDER NO. 68430-3

PLATE NO. 30482

CANDLEPOWER DISTRIBUTION
ORION NO. 81394 MONAX GLASS GLOBE*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendered to Corning Glass Works, Illuminating & Optical Division

Globes - 70 Submitted; 25 Inspected and Weighed;
6 Tested.

Light Output Range 84.5 to
85.5%. Average 85%.

Lamp - 200 Watts;

115 Volts; 3640

Lumens; PS30 Inside

Frosted Gas-Filled

Bulb; C-9 Filament;

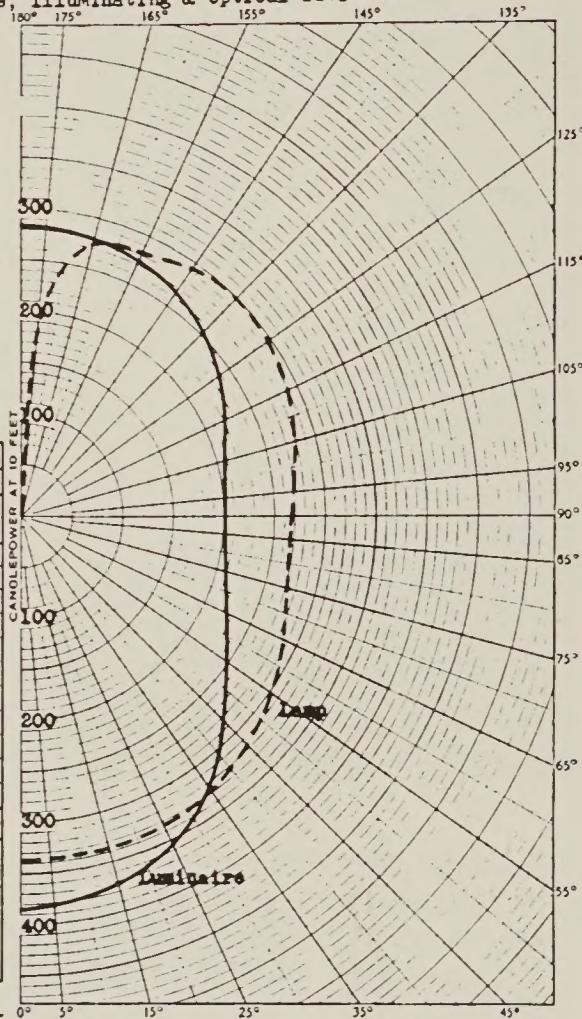
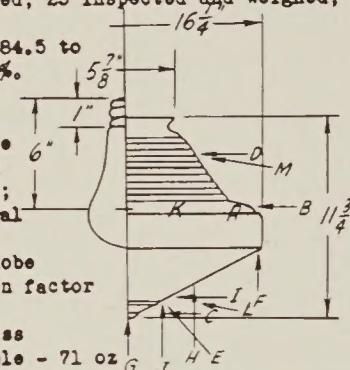
Medium Base; General

Service.

Surfaces covering globe
opening, reflection factor
0.40.

White diffusing glass

Weight of test sample - 71 oz



LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MIN ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MIN ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° IN	286	90° HOR.	201		
175°	280	27	65°	203	222
165°	280	79	75°	210	222
155°	275	127	65°	222	220
145°	264	166	55°	247	222
135°	253	196	45°	285	221
125°	240	215	35°	327	205
115°	223	221	25°	357	165
105°	207	219	15°	374	106
95°	201	219	5°	383	36
0° RADII		383			

LIGHT FLUX VALUES					
ZONE	LUMENE	PER CENT LUMENE BARE LAMP	PER CENT LIGHT OUTPUT		
0°-60°	1000	955	26		
0°-90°	1860	1619	44.5		
90°-180°	1780	1469	40.5		
0°-180°	3640	3088	85		

LUMINAIRE BRIGHTNESS													
CANDLEPOWER PER SQUARE INCH													
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW													
LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	0.9	1.3	1.7	2.6	2.5	1.4	1.6	2.2	2.1	2.4	1.2	2.3	2.5

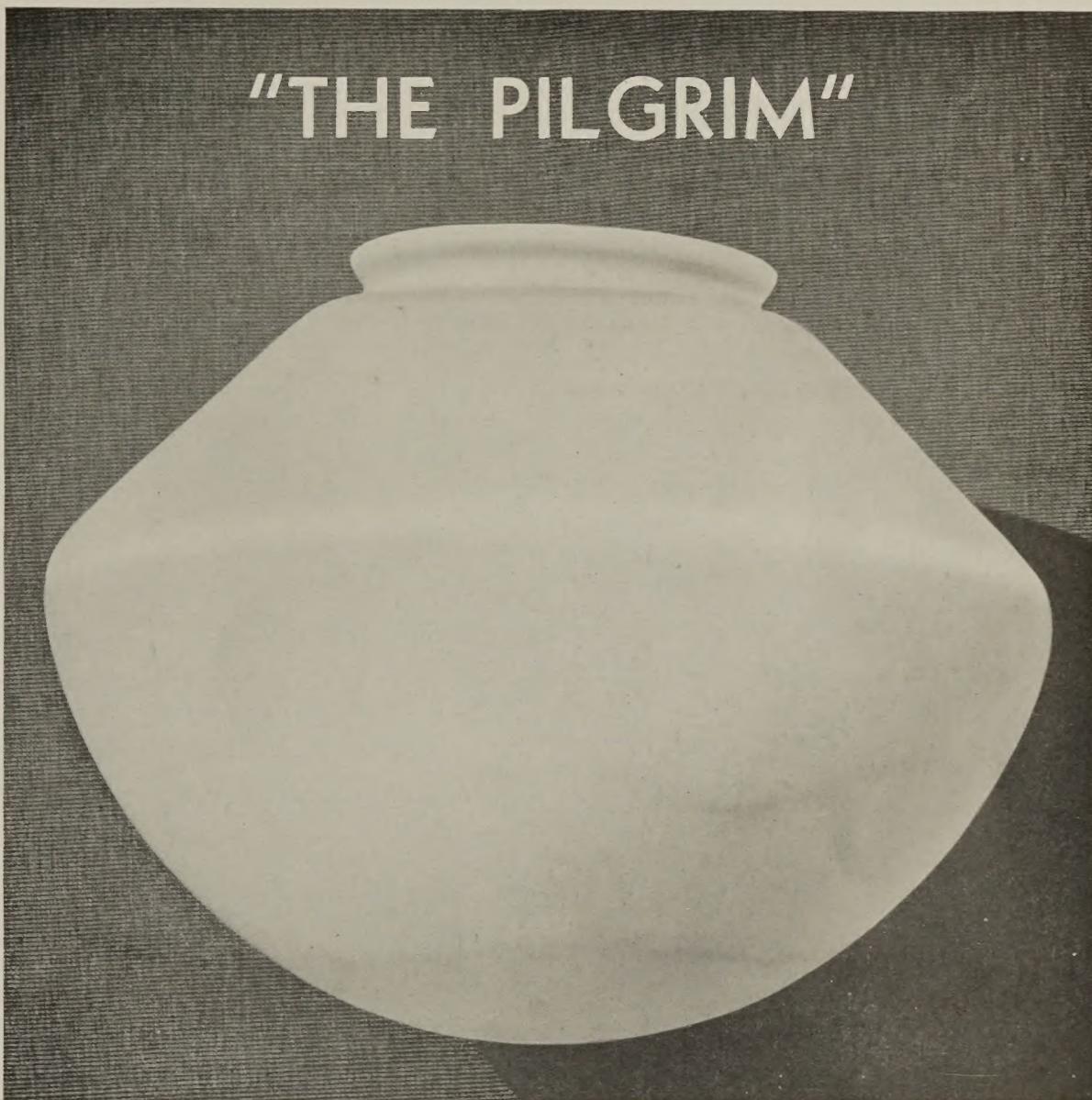
*E.T.L. Identification No. 8333.

TESTED BY VSC PLOTTED BY FK COMPUTED BY CR CHECKED BY Int ISSUED April 26, 1938.

APPROVED BY

William Smith
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST



Simplicity of design coupled with the high efficiency of MONAX glass characterize "THE PILGRIM" as an especially desirable globe for general diffuse illumination. An adequate range of sizes is offered in the following table. Orders should specify the quantity and each mould number required.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Above Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
81128	8 $\frac{7}{16}$	7	4	$\frac{5}{8}$	60	ctn 12 pc	22
81298	10 $\frac{7}{16}$	8 $\frac{5}{16}$	4	$\frac{1}{2}$	75	ctn 4 pc	14
81299	12	9 $\frac{3}{16}$	6	$\frac{1}{2}$	100	ctn 2 pc	11
81300	14	10 $\frac{1}{2}$	6	1	150	ctn 2 pc	13
81301	16	11 $\frac{3}{4}$	6	$1\frac{1}{2}$	200	ctn 2 pc	15
81302	18	13 $\frac{3}{16}$	6	$1\frac{1}{2}$	300	ctn 2 pc	14

*Lamp position—Represents the distance in inches of lamp contact above the plane of fitter screws when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 144442

ORDER NO. 68430-S

PLATE NO. 30474

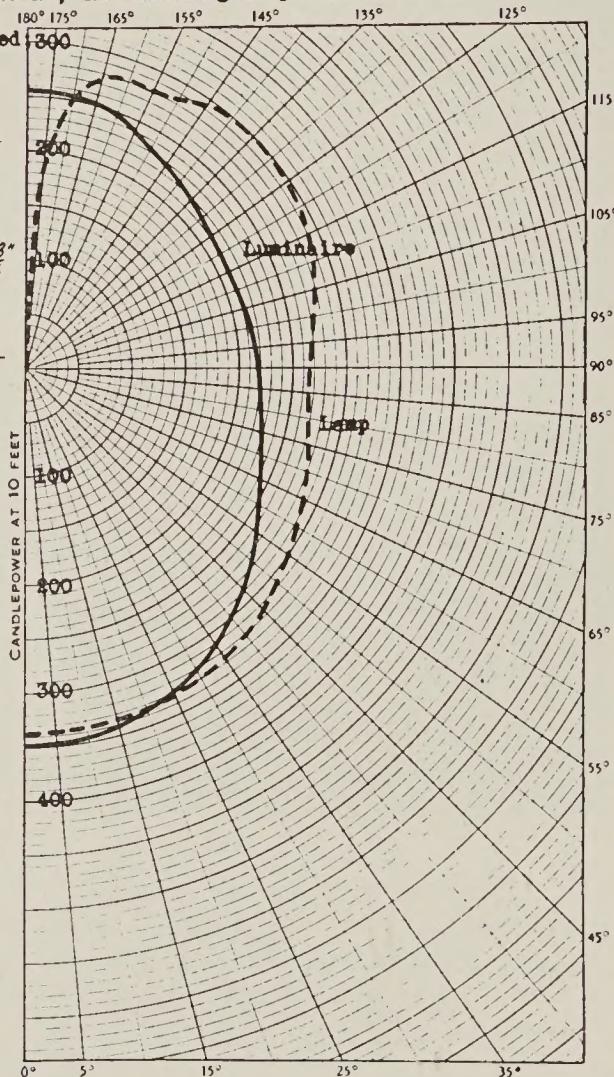
CANDLEPOWER DISTRIBUTION

PILGRIM NO. 81301 MONAX GLASS GLOBE*

Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendered to Corning Glass Works, Illuminating & Optical Division

Globes - 95 Submitted; 25 Inspected and weighed
6 Tested.
Light output range
82.5 to 83.5%
Average 83%.
Lamp - 200 Watts;
115 Volts; 3640
Lumens; PS30
Inside Frosted Gas-
Filled Bulb; C-9 Filament;
Medium Base; General
Service.
Surface covering globe
opening, reflection factor
0.40.
White diffusing glass
Weight of test sample 83 oz



LUMINAIRE DISTRIBUTION DATA
Mean Vertical

MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° ZEN.	257	90° HOR.	216		
175°	256	24	85°	219	239
165°	252	71	75°	227	240
155°	240	111	65°	241	239
145°	228	143	55°	262	235
135°	216	167	45°	288	223
125°	211	189	35°	311	195
115°	208	206	25°	329	152
105°	210	222	15°	342	97
95°	214	234	5°	348	33
0° NADIR			0°	349	

LIGHT FLUX VALUES

ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
	LAMP	LUMINAIRE		
0°-60°	1000	935	25.5	
0°-90°	1860	1653	45.5	
90°-180°	1780	1367	37.5	83
0°-180°	3640	3020		

LUMINAIRE BRIGHTNESS

CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	1.2	1.6	1.2	1.6	2.2	1.4	2.2	1.9	1.5	2.2	1.5	2.0	1.5

*E.T.L. Identification No. 8312

TESTED BY VSC PLOTTED BY JK COMPUTED BY JK CHECKED BY JK ISSUED April 21, 1938.

APPROVED BY W. G. Thrall
ENGINEER IN CHARGE OF PHOTOMETRY

C. G. Horn
IN CHARGE OF TEST



"THE AIRFLOW" is an efficient MONAX globe for general diffuse lighting made with a new type of flush fitter. The "Chip-proof" reinforcing bead incorporated in the fitter opening eliminates the sharp edge and materially strengthens the globe at this point.

"THE AIRFLOW" was designed in keeping with today's trend towards simple contours. It is both efficient as a light source and appealing to the eye.

Mould Number	Diameter Inches	Depth Inches	Diameter of Top Opening Inches	Lamp Position	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
81259	16	12 $\frac{7}{8}$	5 $\frac{3}{16}$	*	300	ctn 1 pc	11

*The cap contact of the lamp should be in the same plane with the top edge of the globe opening when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 144500

ORDER NO. 68430-S

PLATE NO. 30486

CANDLEPOWER DISTRIBUTION
AIRFLOW NO. 81259 MONAX GLASS GLOBE*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendered to Corning Glass Works, Illuminating & Optical Division

Globes - 33 Submitted; 25 Inspected and Weighed;

6 Tested.

Light Output Range 86 to 87%.

Average 86.5%.

Lamp - 300 Watts; 115

Volts; 5700 Lumens; PS34

Inside Frosted Gas-

Filled Bulb; C-7A

Filament; Mogul Base;

General Service.

Surface covering globe
opening, reflection factor
0.40.

White Diffusing Glass

Weight of Test Sample - 87 oz.

LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MID ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° IN	417	90 H.O.R.	90 H.O.R.	361	
175°	388	37	25°	366	400
165°	384	110	75°	377	398
155°	401	186	65°	394	391
145°	378	237	55°	421	378
135°	356	276	45°	455	352
125°	351	315	35°	486	305
115°	350	347	25°	510	236
105°	353	374	15°	530	150
95°	357	390	5°	535	51
0° NADIR					
51					

ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
	LAMP	LUMINAIRE		
0°-60°	1410	1472	26	
0°-90°	2931	2661	46.5	86.5
90°-180°	2769	2272	40	
0°-180°	5700	4933	86.5	

LUMINAIRE BRIGHTNESS													
CANDLEPOWER PER SQUARE INCH													
LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	1.8	2.2	2.0	2.6	3.5	2.0	3.3	2.8	2.7	3.5	2.2	2.9	2.5
THE ARROWS INDICATE THE DIRECTION AND ANGLE OF VIEW													

TESTED BY W.S.C. PLOTTED BY J.M. COMPUTED BY J.M. CHECKED BY S.H. ISSUED April 27, 1938.

APPROVED BY

William F. Little
ENGINEER IN CHARGE OF PHOTOMETRY

C. F. Homan
IN CHARGE OF TEST

CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS

"THE SILCUP"

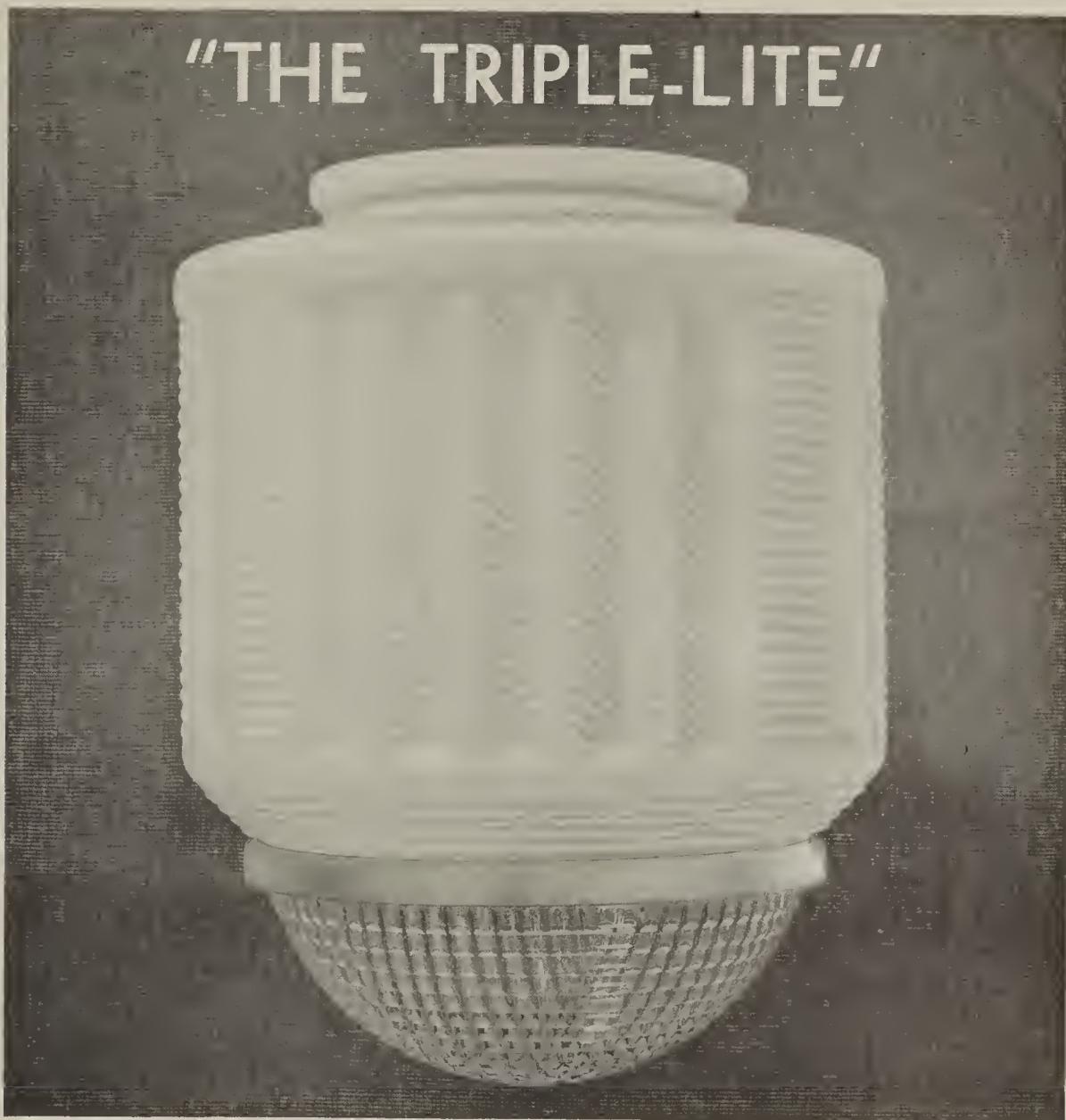


Made from Macbeth MONAX illuminating glass for diffuse lighting. A refreshingly modern effect is obtained by a fired application of aluminum paint to the bottom or cup portion of the globe. MONAX glass has been for years a dependable and highly desirable glass for illuminating purposes. In this new design it is even more attractive.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position	Suggested Wattage	Standard Package	Approx. Wt Lbs. Per Pkg.
81324-D-246	10	5 $\frac{1}{6}$	4	3	100	ctn 4 pc	18
81325-D-246	12	5 $\frac{1}{6}$	4	3	150	ctn 1 pc	6
81326-D-246	14	6 $\frac{7}{8}$	6	3	200	ctn 1 pc	8
81327-D-246	16	7 $\frac{1}{6}$	6	3 $\frac{1}{2}$	300	ctn 1 pc	10
81328-D-246	18	9 $\frac{3}{16}$	6	3	500	ctn 1 pc	13

*Lamp Position—Represents the distance in inches of lamp contact above the plane of the fitter screws.
It is very important that Lamp Positions for SILCUP globes be maintained accurately

CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS



The addition of a sparkling crystal bottom held by a metal ring to a MONAX globe produces not only efficient general illumination but adds a spot-light display effect to the bottom of the globe.

Mould Number	Diameter Inches	Over-all Depth Inches	Fitter Diameter Inches	Standard Package	Approx. Wt. Lbs. Per Pkg.
81138	9 $\frac{7}{16}$	12 $\frac{3}{8}$	6	ctn 4 pc	30
81519	12	14 $\frac{3}{4}$	6	ctn 1 pc	10

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES NEW YORK, N. Y.

REPORT NO. 134684

ORDER NO. 57611-S

PLATE NO. 27901

**CANDLEPOWER DISTRIBUTION
NO. 12022 CRYSTAL ASSEMBLY***

Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Entered to Macbeth-Evans Class Company

Globes - 76 Submitted; 25 Inspected and
Weighed; 6 Tested.

Light output range 81 to 82%.
 Average 81%.

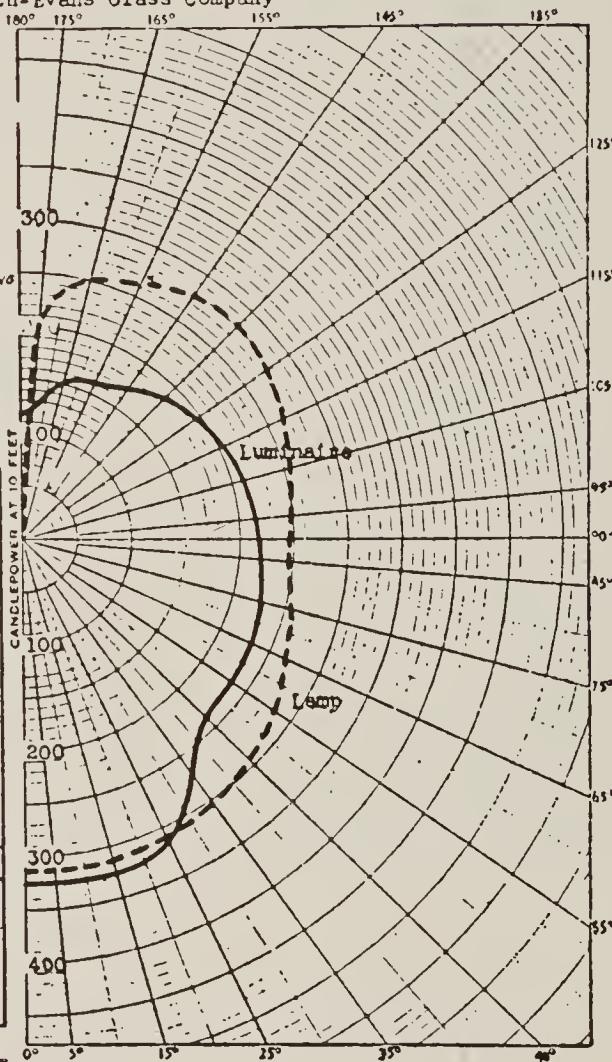
Lamp - 200 Watts;
 115 Volts; 3400
 Lumens; PS30 Inside
 Frosted Gas-Filled
 Bulb; C-9 Filament;
 Medium Base;
 General Service.

Surface covering
 globe opening,
 reflection factor
 0.40.

Weight of test sample - 85 oz. $\frac{7}{8}$

MEAN VERTICAL					
MID-ZONE ANGLES	CANDLEPOWER AT 10' FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10' FEET	ZONAL LUMENS
180° (H)	118		90° (H)	218	
175°	125	12	85°	221	241
165°	151	42	75°	225	238
155°	160	74	65°	231	229
145°	170	107	55°	233	209
135°	183	142	45°	238	187
125°	193	173	35°	274	172
115°	203	202	25°	316	146
105°	210	222	15°	329	93
95°	216	236	5°	324	31
			0° (H)	325	

LIGHT FLUX VALUES				
ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
	LAMP	LUMINA R ₂		
0°-60°	934	838	24.5	
0°-90°	1742	1546	45.5	
90°-180°	1656	1210	35.5	
0°-180°	3398	2256	81	81



CANDLEPOWER PER SQUARE INCH
 THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS A B C D E F G H I J K L M
 CP. PER SQ. IN. 2.2 2.3 0.8 2.1 9.1 1.9 10.9 1.9 0.7 7.4 2.3 2.1 2.1
 TESTED BY AL PLOTTED BY M.W. COMPUTED BY M.W. CHECKED BY W.M. ISSUED February 28th, 1935.

APPROVED BY

BY
William F. Hurd
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST

CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS



A white glass with good diffusing qualities at prices which are especially interesting where competition is unusually keen.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
81119	8 1/2	5 9/16	4	1 1/2	100	ctn 12 pc	25
81316	10	6 1/2	4	1 1/2	100	ctn 4 pc	12
81317	12	7 3/4	6	2	150	ctn 3 pc	13
81319	14	9	6	2	200	ctn 2 pc	12
81320	16	10 1/4	6	2	300	ctn 2 pc	17
81322	18	11 3/8	6	3	500	ctn 1 pc	13
81323	20	12 3/4	8	3	750	ctn 1 pc	17

*Lamp position—Represents the distance in inches of lamp contact above the plane of fitter screws when using suggested wattage.

CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS



"THE ZENILITE" is a direct-indirect type of globe with a new and novel louvre effect. The top of the clear globe is treated with a slightly diffusing satin finish. On the sides and straight sections of the louvres a dense white reflecting enamel is applied. The bottom ringed surfaces of the louvres remain clear. All enamels are fired on the glass.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
81380-D-238	9 $\frac{7}{16}$	6 $\frac{1}{2}$	4	1	100	ctn 12 pc	35
81388-D-238	14 $\frac{3}{8}$	8 $\frac{1}{2}$	6	2 $\frac{1}{2}$	200	ctn 2 pc	18
81389-D-238	16 $\frac{3}{8}$	9 $\frac{7}{16}$	6	3	300	ctn 2 pc	23

*Lamp Position—Represents distance in inches of lamp contact above the plane of the fitter screws when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 144479

ORDER NO. 68430-3

PLATE NO. 30481

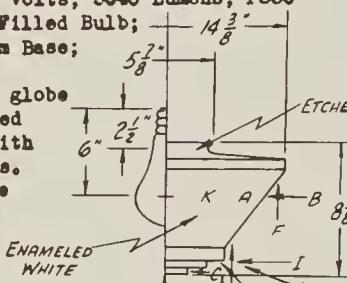
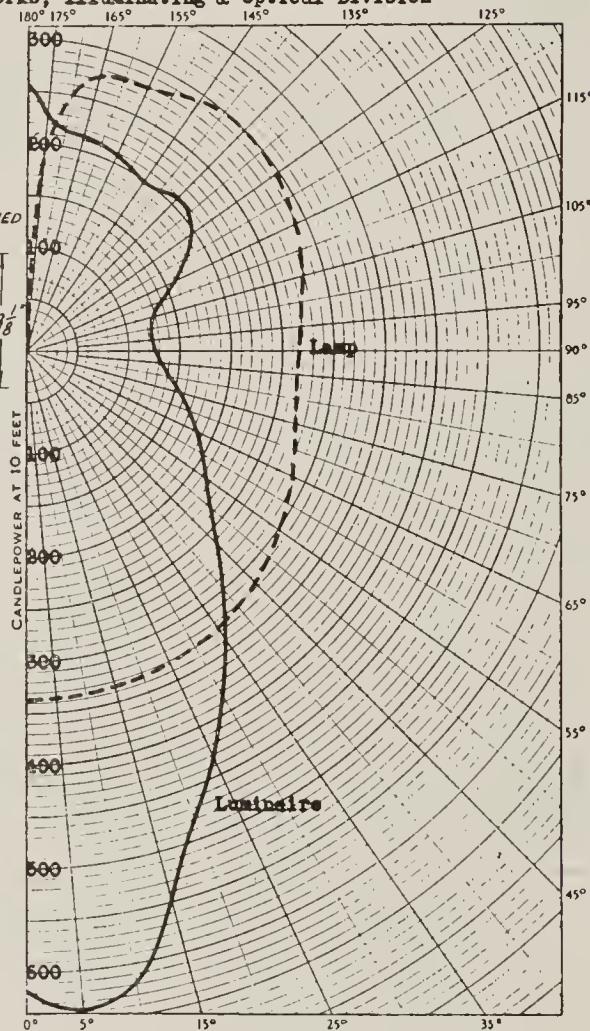
CANDLEPOWER DISTRIBUTION
ZENILITE NO. 81388 LUMITE BRAND ENAMELED GLASS GLOBE*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendered to Corning Glass Works, Illuminating & Optical Division

Globes - 26 Submitted; 25 Inspected and Weighed;
6 Tested.

Light Output Range 69.5 to 73%. Average 71%.
Lamp - 200 Watts; 115 Volts; 3640 Lumens; PS30

Inside Frosted Gas-Filled Bulb;
C-9 Filament; Medium Base;
General Service.
Luminaire - Bottom of globe
has concentric fluted
clear glass rings with
white enameled sides.
Surface covering globe
opening; reflection
factor 0.40.
Weight of Test Sample - 90 oz.

LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° ^{IN}	253		90° ^{HOR}	124	
175°	229	22	85°	130	142
165°	211	60	75°	155	164
155°	208	96	65°	185	184
145°	199	125	55°	218	196
135°	206	159	45°	263	204
125°	195	175	35°	338	212
115°	159	158	25°	432	200
105°	129	137	15°	545	154
95°	123	134	5°	640	60
			0° ^{NADIR}	620	

LIGHT FLUX VALUES					
ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT	
	LAMP	LUMINAIRE			
0°-60°	1000	1026	28		
0°-90°	1860	1516	41.5		
90°-180°	1780	1066	29.5		
0°-180°	3640	2582	71		

LUMINAIRE BRIGHTNESS													
LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ IN	0.9	1.3	1.4		31	0.9	63	2.0	2.3	2.3	1.0	2.8	

*E.T.L. Identification No. 8341

TESTED BY W.S.C. PLOTTED BY E.K. COMPUTED BY E.K. CHECKED BY J.H. ISSUED April 27, 1938.

APPROVED BY William T. Hatch
ENGINEER IN CHARGE OF PHOTOMETRY

C. J. Horn
IN CHARGE OF TEST

CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS



"THE ZENILITE BOWL" is a new luminous bowl of the indirect-direct type. A special feature is the use of concentric ring louvres at the apex of the bowl designed to direct light downward without producing glare. A dense reflecting enamel fired on the sides of the bowl diverts a major portion of the light upward in accordance with the indirect lighting principle.

Mould Number	Diameter Inches	Depth Inches	*Lamp Position Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
82754-D-238	16 ³ / ₈	7 ⁷ / ₁₆	4 ¹ / ₄	300	ctn 2 pc	17

*Lamp position—Represents the distance in inches of lamp contact above the plane through upper edge of bowl when using suggested wattage.

See reverse side of sheet for photometric characteristics.

ELECTRICAL TESTING LABORATORIES

NEW YORK, N. Y.

REPORT NO. 144508

ORDER NO. 68430-8

PLATE NO. 30495

CANDLEPOWER DISTRIBUTION
ZENILITE NO. 82754 LUMITE BRAND ENAMELED GLASS BOWL*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications

Rendersd to Corning Glass Works, Illuminating & Optical Division

Bowls - 36 Submitted; 25 Inspected and Weighed;
6 Tested.

Light output range 86.5 to
87.5%.

Lamp - 200 Watts; 115 Volts;
3640 Lumens; PS30

Inside Frosted Gas-

Filled Bulb; C-9

Filament; Medium Bass;

General Service.

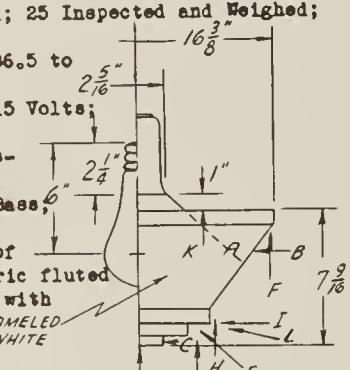
Luminaire - Bottom of

glob has concentric fluted

clear glass rings with

white enameled ENAMELED

WHITE



Weight of Test Sample - 88 oz.

LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° IN	444		90° NOR.	79	
175°	484	43	85°	86	94
165°	413	119	75°	107	113
155°	467	215	65°	135	134
145°	458	288	55°	167	150
135°	443	343	45°	212	164
125°	428	384	35°	289	177
115°	388	380	25°	318	149
105°	140	173	15°	432	122
95°	83.5	91	5°	500	47
0° HADIE					
		458			

ZONE	LUMENS		PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
	LAMP	LUMINAIRE		
0°-60°	1000	809	22	
0°-90°	1860	1150	31.5	
90°-180°	1780	2036	56	87.5
0°-180°	3640	3186		

LUMINAIRE BRIGHTNESS													
LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	0.4	0.6	1.0		21	0.4	45	1.0	1.3	0.2	0.4	2.0	

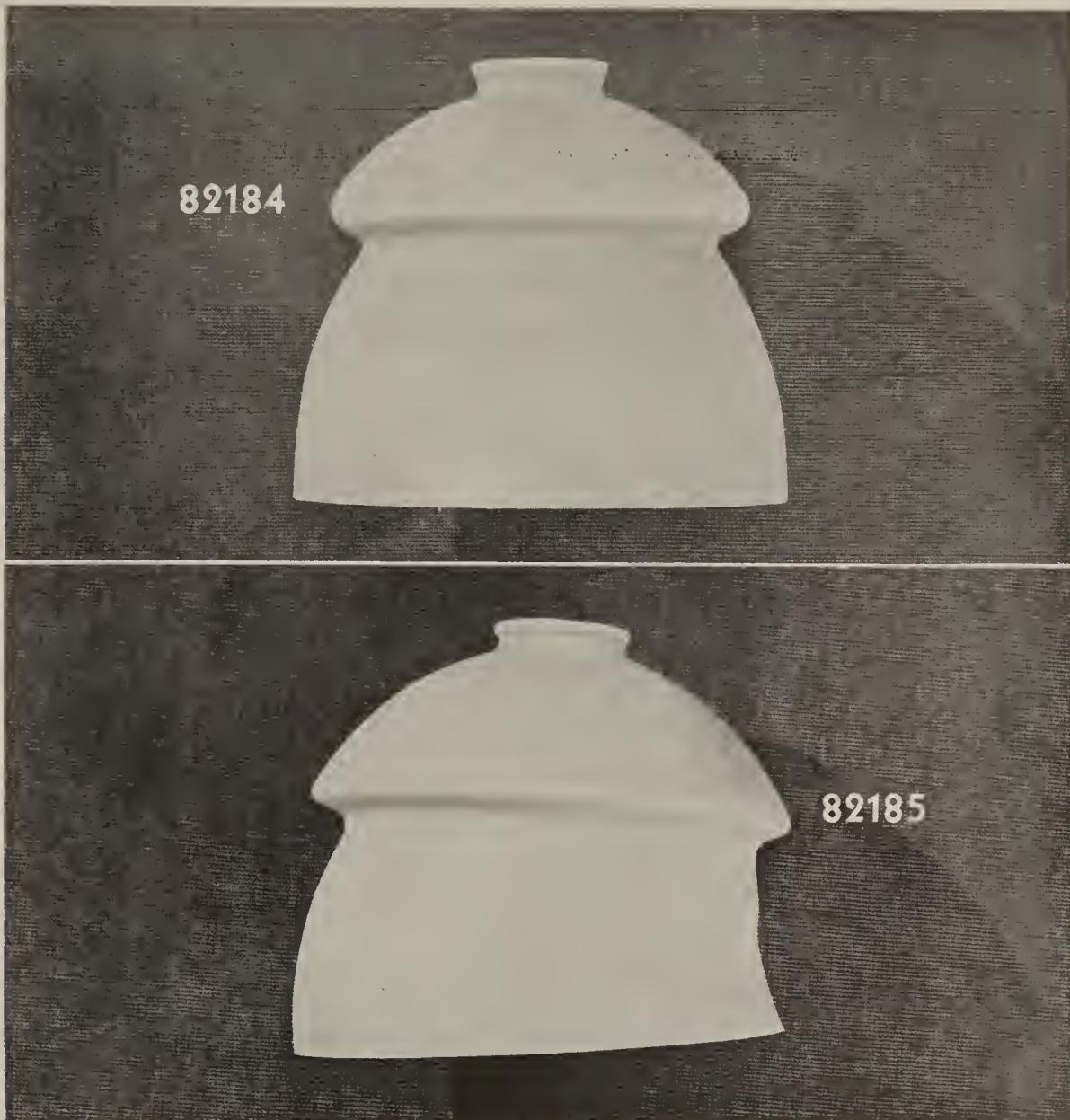
CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

TESTED BY ZJC PLOTTED BY JM COMPUTED BY JM *E.T.L. Identification No. 8347
CHECKED BY JM ISSUED April 27, 1938.

APPROVED BY William F. Little
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST

CORNING GLASS WORKS . . . MACBETH LIGHTING GLASS
DENAX WINDOW REFLECTORS



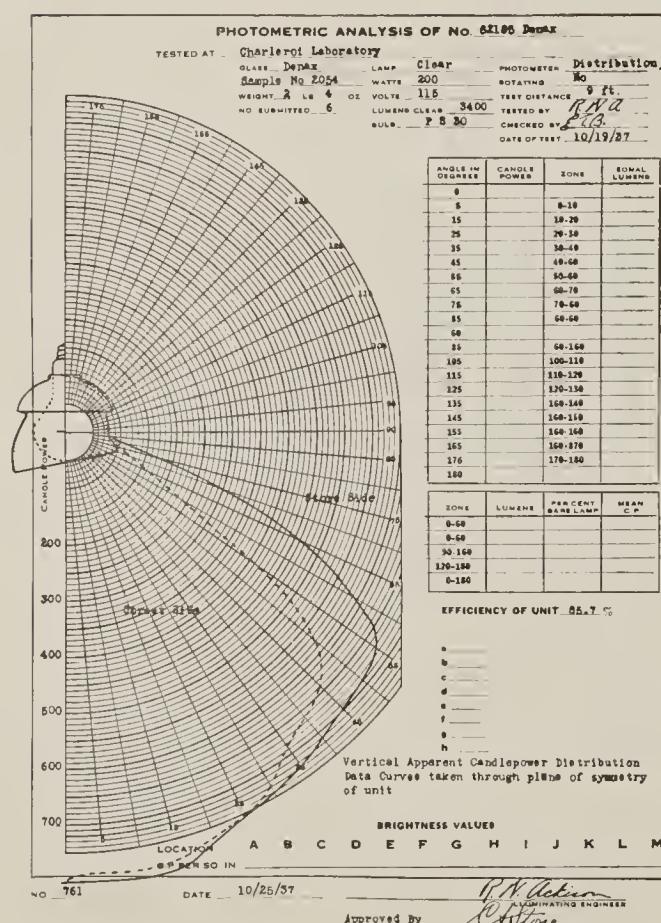
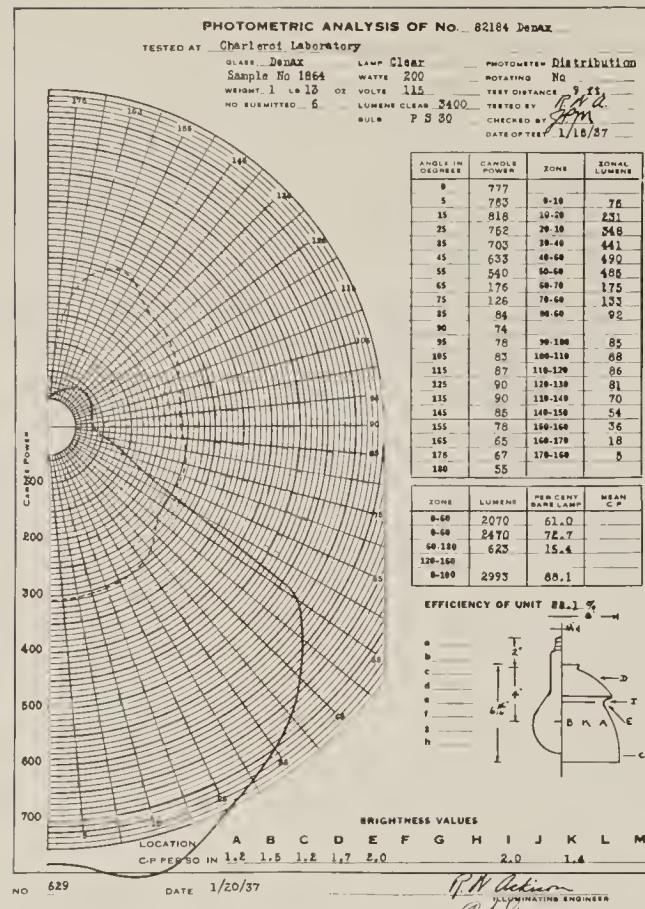
The permanent and high reflecting properties of DENAX glass produce an extremely efficient reflector for show window lighting. A small amount of light is diffusedly transmitted through the glass relieving the contrast in the window and lighting the valance. Over seventy per cent of the light is directed downward to flood the merchandise.

No. 82184—Straight type for narrow windows or to flood the front section of deeper windows.

No. 82185—Angle type for deep windows.

Mould Number	Diameter Inches	Depth Inches	Fitter Inches	Recommended Wattage	Standard Package	Approx Wt. Lbs. Per Pkg.
82184	8	6 $\frac{1}{6}$	2 $\frac{1}{4}$	200	ctn 12 pc	32
82185	7 $\frac{3}{4}$	7	2 $\frac{1}{4}$	200	ctn 12 pc	32

See reverse side of sheet for photometric characteristics



CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS
BED ROOM and SUN ROOM BOWLS



82745 Iridelle

Iridelle is a new development in the application of lustre to a "MONAX" bowl of Doric fluted design. Swirls of iridescence in pale buff tone produce a modern effect in harmony with many of the newer wall treatments. Each bowl is drilled with a $\frac{1}{2}$ " center hole for suspension.

82745 Iridelle. Diameter 10"; Depth: 3"; Standard carton: 3 bowls; Approximate weight: 12 lbs.



82745 D-248

A Doric fluted "MONAX" bowl with background tinted in a manner which produces a two tone effect. Three lines encircle the center of the design at the bottom of the bowl. Available in orchid or beige. Please specify desired color. Each bowl is drilled with a $\frac{1}{2}$ " center hole for suspension.

82745 D-248 Diameter: 10"; Depth: 3"; Standard carton: 3 bowls; Approximate weight: 12 lbs.



CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS

BED ROOM and SUN ROOM BOWLS



82865 J-338

A shallow bowl made from "MONAX" white diffusing glass in colonial design.

The conventional floral motif is composed of yellow flowers and green leaves. The lines are green and the background toned with an ivory satin finish. Each bowl is drilled with a $1\frac{1}{2}$ " center hole for suspension. 82865 J-338 Diameter: 10"; Depth: $3\frac{3}{4}$ "; Standard carton: 3 pieces; Approximate weight: 12 lbs.



82865 D-245

Three lines encircle this colonial type bowl of "MONAX" white diffusing glass. Two around the sides and one around the bottom. The background tone is ivory satin finish. The lines are either orchid or beige, as specified. Each bowl is drilled with a $1\frac{1}{2}$ " center hole for suspension.

82865 D-245 Diameter: 10"; Depth: $3\frac{3}{4}$ "; Standard carton: 3 pieces; Approximate Weight: 12 lbs.

CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS

BED ROOM or SUN ROOM GLOBES

82340 D-244

Gay blossoms decorate the panels of this popular "MONAX" white diffusing glass globe. The background tone is ivory satin, the blossoms pink and the leaves green. 82340 D-244 Diameter: 8 $\frac{1}{2}$ "; Depth: 8 $\frac{7}{8}$ "; Fitter: 4"; Standard carton: 4 globes; Approximate weight: 15 lbs.



81391 J-339

The new "ORION" enclosing globe made from "MONAX" white diffusing glass is presented with an attractive decoration for residential lighting. A bright spring floral motif encircles the globe. The flowers are orchid, and the leaves green. An ivory satin background has been applied to all but the upper portion of the globe.

81391 J-339 Diameter: 9 $\frac{3}{8}$ "; Depth: 6 $\frac{1}{4}$ "; Fitter: 4"; Standard carton: 4 globes; Approximate weight: 13 lbs.



81391 Lustrelle

Lustrelle is a new and attractive application of iridescent pearl lustre to the surface of a "MONAX" globe. Lustrelle was especially developed to harmonize with modern decorative wall treatment.

81391 Lustrelle. Diameter: 9 $\frac{3}{8}$ "; Depth: 6 $\frac{1}{4}$ "; Fitter: 4"; Standard carton: 4 globes; Approximate weight: 13 lbs.



ELECTRIC SHADES

82025 D-243

A clear glass shade with pleated effect on which has been fired a two tone color effect in three different combinations. The darker color appears on the top and bottom portions of the shade with the center fluting in lighter tint. Each package contains 12 each of two tone tan, two tone pink and two tone ivory. Shade diameter: $4\frac{1}{4}$ "; Height: $4\frac{1}{2}$ "; Fitter: $2\frac{1}{4}$ "; Standard carton: 36 shades; Approximate weight: 18 lbs.



82027 D-240

This shade of pleasingly simple design is made in clear glass upon which enamel has been fired to the outer surface. Five clear lines complete the decoration. Each package contains 18 each of white and ivory shades. Shade diameter: $3\frac{1}{2}$ "; Height: 5"; Fitter: $2\frac{1}{4}$ "; Standard carton: 36 shades; Approximate weight: 19 lbs.



82027 SP-501

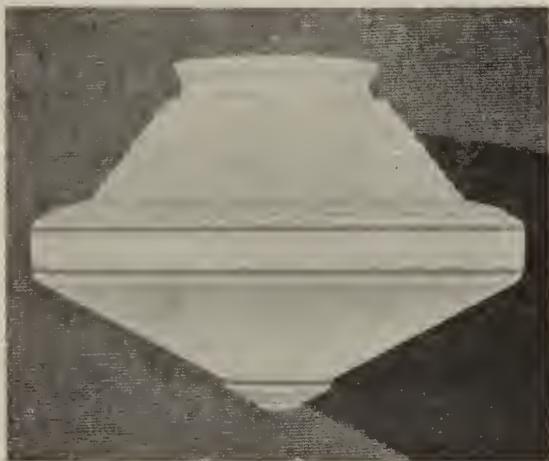
A cylindrical shade in clear glass upon which a satin finish tint has been fired with a decorative element of clear satin finish at four equidistant points around the shade. Each package contains 12 of each color: ivory, pink and green. Shade diameter: $3\frac{1}{2}$ "; Height: 5"; Fitter: $2\frac{1}{4}$ "; Standard carton: 36 shades; Approximate weight: 19 lbs.



CORNING GLASS WORKS • • • MACBETH LIGHTING GLASS

DECORATED KITCHEN GLOBES

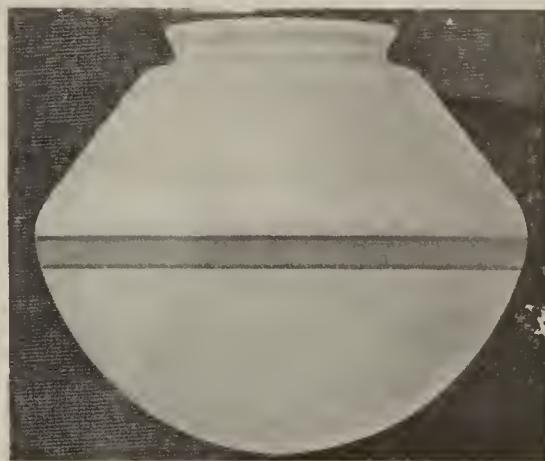
Colors used in the decorative treatment of these kitchen globes conform in hue with those approved for kitchen accessories by the U. S. Dept. of Commerce and the National Bureau of Standards, Commercial Standard C.S.62-38.



81391 D-121

The "ORION" globe in "MONAX" glass with lines of Delphinium Blue or Kitchen Green as specified.

81391 D-121 Diameter: $9\frac{3}{8}$ "; Depth: $6\frac{1}{4}$ "; Fitter: 4"; Carton: 8 globes; Approximate weight: 21 lbs.



81128 D-56

The "PILGRIM" globe in "MONAX" glass with lines of standard kitchen colors on either side of a lighter toned band of the same color. Standard colors: Delphinium Blue or Kitchen Green as specified.

81128 D-56 Diameter: $8\frac{7}{16}$ "; Depth: 7"; Fitter: 4"; Carton: 12 globes; Approximate weight: 22 lbs.



81380 D-249

The new "ZENILITE" globe is offered with a decoration consisting of colored lines on the white enameled surface.

Standard colors: Delphinium Blue, Kitchen Green or Red, as specified.

81380 D-249 Diameter: $9\frac{7}{16}$ "; Depth: $6\frac{1}{2}$ "; Fitter: 4"; Standard carton; 12 globes; Approximate weight: 35 lbs.

CORNING GLASS WORKS . . . MACBETH LIGHTING GLASS
I E S REFLECTOR "The Heart of the Lamp"



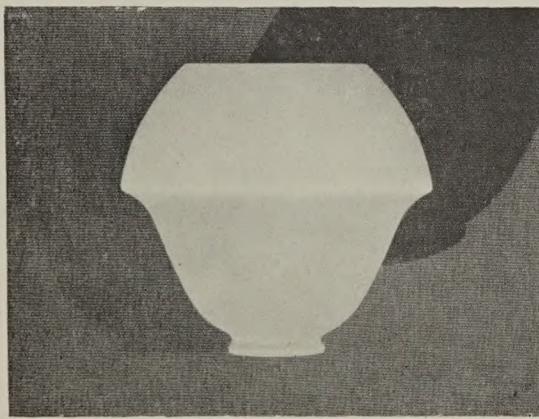
NO. 82012 MONAX
For 100 Watt Study Lamp
Diam. 8" Standard Carton. 6 pc
Height 5 3/4" Approx. Wt. Per
Fitter 2 1/4" Carton. 18 lbs.



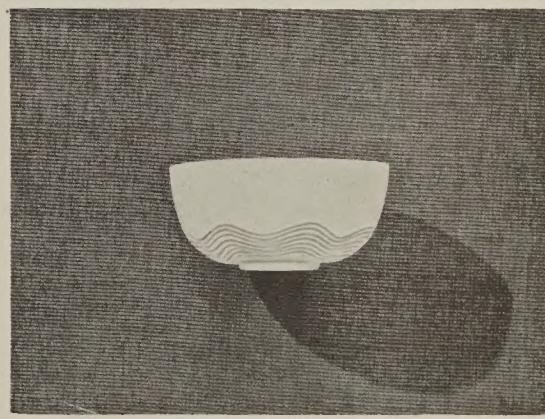
NO. 82209 MONAX
For 50/100/150 Watt floor lamp
Diameter. 9 3/8"
Height. 6 3/8"
Outside Diam. Bottom Opening. 2 5/8"
Standard Carton. 6 pc
Approx. Wt. Per Carton. 13 lbs.



NO. 82416 MONAX
For 100/200/300 Watt floor lamp
Diam. 10" Standard Carton. 6 pc
Height. 5 3/8" Approx. Wt. Per
Fitter. 2 7/8" Carton. 25 lbs.



NO. 82255 GALAX BRAND
Glass Reflector For 100 Watt End Table Lamp
Maximum Diameter. 7"
Height. 6 1/4"
Diameter Top Opening. 4 3/16"
Fitter. 2 1/4"
Standard Carton. 8 pc
Approx. Wt. Per Carton. 22 lbs



NO. 82001 MONAX
Candle Cup Reflector
Diameter. 4"
Height. 1 7/8"
Diameter Bottom Opening. 1 5/32"
Standard Carton. 72 pc
Approx. Wt. Per Carton. 33 lbs.
Note—Carton contains 24 small cartons each containing 3 reflectors.

All reflectors illustrated above are manufactured and tested under supervision of Electrical Testing Laboratories who certify compliance with specifications to meet lighting performance for I. E. S. Lamps. Each approved reflector is so marked.

